

BELLCOMM, INC.

SUBJECT: Trip Report - M-6 Flammability  
Mockup Review (TRRB #4)  
October 19, 1967 - Case 320

DATE: October 23, 1967  
FROM: R. R. Schreib, Jr.

MEMORANDUM FOR FILE

The fourth meeting of the M-6 Test Readiness Review Board at MSC assessed the progress of the propagation tests being run in the LM flammability mockup at 6.5 psia oxygen. Colored motion pictures of the first sixteen ignition sites were viewed and a report was given on the four most recent tests.

The tests have gone remarkably well. Of the twenty tests completed only four require comment; in the other sixteen positive ignition and flame did not cause propagation along wiring or across interior equipment. In one of the four off-nominal cases it appeared that positive ignition had not occurred (behind panel #1). In another, a flight log placed directly above an ignition source (commanders attitude-control-assembly wiring) ignited, but only after two minutes. It was quickly extinguished by evacuation. In a third case, an ambiguous test instruction led to placement of an igniter next to an ECS silicon duct, rather than outside its protective Beta sleeve. This fire was also extinguished by evacuation. The fourth case involved fire propagation a short distance (2") along some GSE thermocouple wire. A fix is already available for this application.

The review board discussed and selected twelve new ignition sites. GAEC had no objection to these additional tests. Tests including one rerun will continue on into next week with the possibility of additional sites being selected toward the end of the new series.

2031-RRS-sam

*J. H. Saxton*  
for R. R. Schreib, Jr.

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(See (NASA-CR-90845) TRIP REPORT - M-6  
FLAMMABILITY MOCKUP REVIEW /TRRB NUMBER 4/  
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